

REMARKS

The present invention is a client-server mechanism, a client terminal, and a method for downloading content to a client terminal. A client-server system in accordance with an embodiment of the invention includes a client terminal 31 and a remote server 21, wherein the client terminal comprises a portable radio communication device including a user interface and authentication means, the user interface comprising a plurality of user selectable menu applications and a browser application, and operable to request content stored at the server, wherein one or more of the menu applications includes embedded in a sub-menu thereof, a user selectable direct download link comprising the server address, whereby in response to user selection of the direct download link from the sub-menu, the browser application controls the radio communication device to transmit a signal to connect to the server, and the authentication means comprises means for checking validation data of content downloaded from the server, and wherein the remote server comprises means for downloading said content to the portable radio communication device with the validation data being associated with the content so as to be identifiable by the authentication means as originating from the server. The present invention provides a mechanism for a user to quickly obtain for a user's terminal from a server, new secure content by the user selecting a direct download link to the server from a sub-menu. See page 1, lines 27-36 through page 2, lines 1-21, of the original specification.

The title has been amended to be more specific as requested by the Examiner.

A Substitute Specification is submitted herewith to place the specification in better form for reexamination including amending the disclosure to refer to Fig. 5.

Claims 3, 4 and 10-12 stand rejected under 35 U.S.C. §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicant regards as the invention. Newly submitted claims 13-24 have been amended to overcome the stated grounds of rejection.

Claims 1-5 and 7-12 stand rejected under 35 U.S.C. §103 as being unpatentable over GB 2 349 548 (Roke Manor) in view of GB 2 344 419 (Red Fig.). These grounds of rejection are traversed with respect to newly submitted claims 13-23 with claims 13-17 corresponding to claims 1-5 and claims 18-23 corresponding to claims 7-12.

Independent claims 13, 14, 17, 18, 19 and 20 respectively recite a client-server system, a client terminal, a computer program product on a portable radio communication device, a method for downloading content to a client terminal, and a client terminal which substantively include a plurality of user selectable menu applications and a browser application in which a sub-menu is embedded in the menu application to provide a user a selectable direct download link comprising a server address to provide downloading of content from the server. This subject matter has no counterpart in the combination of Roke Manor and Red Fig.

Roke Manor discloses the downloading of software to a mobile communications terminal 16 from a software provider 10 via a network operator 12 who utilizes a digital broadcaster 14. A list of digital services is transmitted to the subscriber 16 from which the subscriber chooses content software to be downloaded. See the last paragraph of page 5 of Roke Manor. The network

operator transmits an authentication code to the subscriber which enables the software to run and which arranges for the subscriber to be charged for the service. See page 4, paragraph 2 of Roke Manor.

The second paragraph of page 6 describes the operation of Roke Manor in which a subscriber selects the option on a mobile phone to view a list of services currently available from the network operator. The subscriber selects the service which is desired. Thereafter, an authentication conversation is initiated between the phone and the network operator resulting in the network operator sending an authorization code to the subscriber and arranging for the subscriber to be billed for the service. This subject matter does not meet the limitation of the sub-menu in which the user selects a direct download link from the sub-menu resulting in the browser application controlling the radio communications system to communicate with the server.

Red Fig has been cited as teaching a "browser application controls the radio communication device to transmit a signal to connect to the server". However, this subject matter does not cure the deficiencies noted above with respect to Roke Manor.

Independent claim 13 further recites validation data of content downloaded from the server with the validation data being associated with the content so as to be identifiable by the authentication means originating from the server. While Roke Manor does disclose an authentication code being transmitted from the network operator which enables JAVA client software to run as described in the second paragraph of page 4, it is submitted that this does not meet the aforementioned limitation regarding validation data.

Claim 14 recites "means for security checking validation associated with the content downloaded from the server". It is submitted that the authorization code does not meet the aforementioned subject matter.

Claims 15 and 21 further limit claims 13 and 14 in reciting that the terminal comprises means automatically, after the checking of the validation data, for storing the downloaded content to a memory of the terminal as a default memory setting. It is submitted that this subject matter is not met by Roke Manor. It is noted that the Examiner has considered this limitation to be a "default" but it is submitted that the combination of automatic storing downloaded content to memory of the terminal as a default memory setting in combination with the checking of validation data is not met by Roke Manor for the reasons set forth above. Roke Manor does not disclose the utilization of validation data which is recited in claim 1 as being "identifiable by said authentication means as originating from said server" and does not correspond to "validation data" associated with the content downloaded from the server as recited in claim 2.

Claims 16 and 22-24 further limit claims 13-15 and 21 in reciting that the validation data comprises a download transport protocol HTTP header and the authentication means examines said header". The Examiner states that "an authentication code" reads upon the claimed header. It is submitted that this interpretation is erroneous since a header is used for information transmission of a packet which would not be considered by a person of ordinary skill in the art to be a "authentication code". If the Examiner persists in the stated grounds of rejection, it is requested that he demonstrate on the record where an authentication code could be read upon a header as suggested by the Examiner.

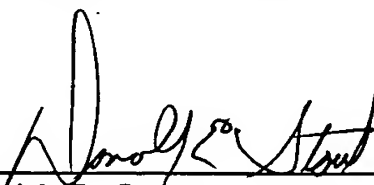
In view of the foregoing amendments and remarks, it is submitted that each of the claims in the application is in condition for allowance.

Accordingly, early allowance thereof is respectfully requested.

To the extent necessary, Applicants petition for an extension of time under 37 C.F.R. §1.136. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account No. 01-2135 (367.41233X00) and please credit any excess fees to such Deposit Account.

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP

A handwritten signature in black ink, appearing to read "Donald E. Stout", is written over a horizontal line.

Donald E. Stout
Registration No. 26,422
(703) 312-6600

Attachments

DES:dlh